

## THE EQUIPMENT



Who built this model? \_\_\_\_\_

A flour mill is designed for mass production with similar machines grouped together.

QUESTION: This model is similar to the mill you are in now. Match what happened on the bottom three floors with what is on those floors now.

Grinding Floor                      Museum Exhibits

Packing Floor                      Education Lobby

Power Floor                        Entrance & Store

## THE PLAYERS



What crew were these men on? \_\_\_\_\_

How many men were in this crew? \_\_\_\_\_

Bonanza farms were large farms of 1,500 acres to 100,000 acres that specialized in only one crop. Over 1,000 seasonal field hands worked on the largest farm.

QUESTION: Why wasn't card playing allowed on the bonanza farms? (Hint: read the backs of the chairs.)

ANSWER: \_\_\_\_\_

## THE PRODUCTS AND THEIR PROMOTION



With new milling techniques in the 1880s, companies made better products and began advertising brand names. They used commercials, ads, and slogans to do so.

QUESTION: Look at the printed ads on the inside wall. Name three words or images that people used to sell flour. \_\_\_\_\_

Name two items that appear in two or more ads. \_\_\_\_\_

What is this machine, and what did it replace? \_\_\_\_\_



The first Washburn A Mill had 41 run of millstones. In 1880, the rebuilt mill had 15 run of millstones and 86 roller mills. (A run is a pair of stones).

QUESTION: Why are roller mills more efficient than millstones?

ANSWER: \_\_\_\_\_

Who is this man? \_\_\_\_\_

When did he build his first flour mill here? \_\_\_\_\_



In 1880, this man built the mill you are standing in. Before entering the flour milling business, he worked as a surveyor, a schoolmaster, a lawyer, a banker, a congressman, and the governor of Wisconsin. Even though he became one of the most important men in the history of our state, he never lived here.

QUESTION: What rights did he buy that enabled him to run flour mills in Minneapolis?

ANSWER: \_\_\_\_\_



Who is this? \_\_\_\_\_

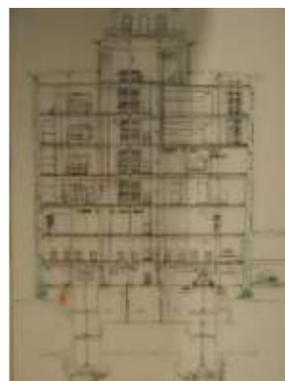
Why was he in London in 1877? \_\_\_\_\_

Washburn Crosby was already supplying a worldwide market by the time it became General Mills in 1928. Its slogan "Eventually, Why Not Now?" was translated into 15 languages!

QUESTION: Name three countries Washburn Crosby/General Mills supplied with goods.

ANSWER: \_\_\_\_\_

How far did St. Anthony Falls drop? \_\_\_\_\_



Water must flow or fall to create power. Flowing, it turns water wheels; Falling, it turns turbines. Turbines powered the Minneapolis mills. Look at the turbine to the left of this picture. You can make it spin.

QUESTION: What happens when you turn the turbine?

ANSWER: \_\_\_\_\_

Draw a line to match the worker to his/her job(s) at the mill.



**Loader:**  
Loads boxcars with packaged flour

**Packer:**  
Packs flour into sacks for sale

**Smutter:**  
Operates machinery to clean wheat

**Miller:**  
Operates milling machinery

What is this woman's name? \_\_\_\_\_

Is she a real person? \_\_\_\_\_

Consumers were introduced to this person after General Mills received many baking questions along with thousands of entries for a puzzle contest.

QUESTION: Think of two other fictional characters you know of created to promote products, and name the companies they promote.

ANSWER: \_\_\_\_\_

175 boxcars were filled with flour in the Washburn A Mill each day during its years of peak production. That is enough flour to make 12 million loaves of bread!



QUESTION: This boxcar has 2 weight limit numbers – "capacity" (capy.) is the total maximum weight of the item & cargo. "Limited Weight" (Lt. Wt.) is the maximum weight for cargo only. How much does this boxcar weigh?

ANSWER: \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
(Capy.)                      (Lt. Wt.)                      (Answer)

The mill had positions that it needed to fill to continue operating – smutters, millwrights, millers, sweepers, grinders, packers, loaders, etc. These positions were in a certain order with the head miller at the top. Read the biographies in the Flour Tower lobby (*Voices of the Flour Tower*) to see what you can find out about this order and to answer the questions below.

QUESTIONS: Name a starting position in the mill. \_\_\_\_\_  
Was there opportunity within the mill for men to move up to a better job? \_\_\_\_\_

How do you know? \_\_\_\_\_

Women mill workers worked next door. What was their primary job? \_\_\_\_\_

Could women move up to a better job? \_\_\_\_\_



This slogan was a response to what other slogan? \_\_\_\_\_

The two largest flour mills in the world, Pillsbury and Washburn Crosby, competed for the market with ads and slogans.

QUESTION: Why did Pillsbury stop using its slogan during the war?

ANSWER: \_\_\_\_\_

## THE IMPACT



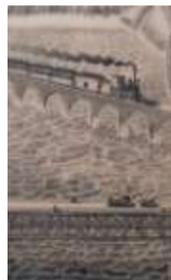
Milling and its population boom brought changes to Minneapolis. Many had lasting impact.

QUESTIONS: What does Minneapolis mean? (Step 1) \_\_\_\_\_  
 What was the original function of the Stone Arch Bridge? (Step 2) \_\_\_\_\_

What transportation system opened the suburbs for settlement in 1886? (Step 3) \_\_\_\_\_

In what year were the upper and lower locks built? (Step 4) \_\_\_\_\_  
 Why were they built? \_\_\_\_\_

Name a mill building now used for housing. (Step 5) \_\_\_\_\_



Flour milling flourished because of power provided by St. Anthony Falls. Two-dozen mills grew up along the river and people came from all over to work in the mills, setting the stage for Minneapolis to become a major metropolitan city.

QUESTION: In 1860, the population of Minneapolis was 5,809. What did it grow to in 1887?

ANSWER: \_\_\_\_\_



Do the falls look like this today? \_\_\_\_\_  
 What year did the falls look like this? \_\_\_\_\_

St. Anthony Falls is here today due in part to the millers. Read the text in the water lab to find out why.

QUESTION: (1) What was happening to the falls? (2) What was done about it? (3) What would have happened if they did not do this?

ANSWER: (1) \_\_\_\_\_

(2) \_\_\_\_\_

(3) \_\_\_\_\_



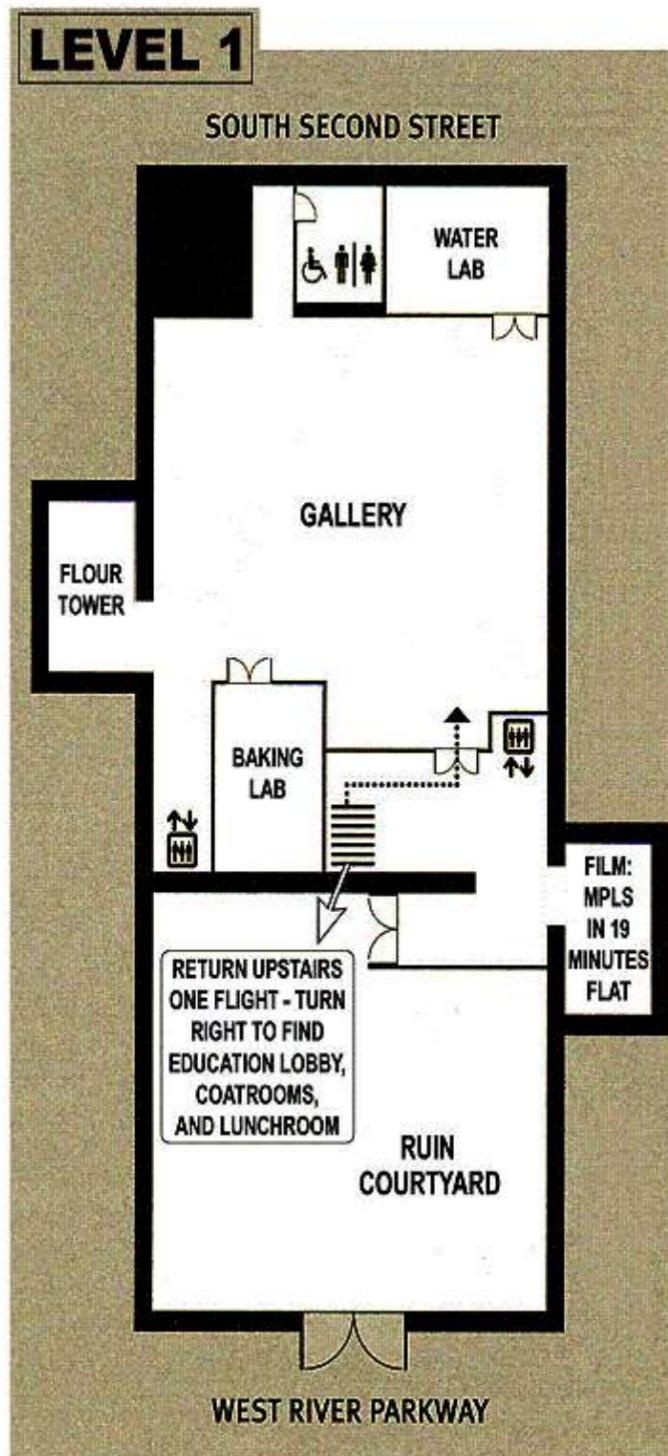
Bonanza farms -- high acreage, one-crop specialty farms -- supplied most of the wheat coming into Minneapolis mills. This type of "get rich quick" farming died out in the early 1900s.

Bonanza farms resemble modern farms in several ways: their large size, the hiring of seasonal laborers, and their heavy use of machinery.

QUESTIONS: In 1880, Minneapolis' first year as the "Milling Capital of the World," what percentage of Minnesota's farmland was planted in wheat? \_\_\_\_\_

What percentage of Mid-western farms were bonanza farms? \_\_\_\_\_

## MILL CITY MUSEUM EXHIBIT MAP



**Now that you have completed the Scavenger Hunt, you can answer this Bonus Question:** One of the following statements is FALSE. Which one is it? Circle your answer.

- A former governor of Wisconsin built this mill.
- We can see St. Anthony Falls today in part due to the milling industry.
- People in countries all over the world used Minneapolis flour.
- The Stone Arch Bridge was built to accommodate automobile traffic.
- Falling water powered the machinery in this mill in 1880.

NAME(S):



Minnesota Historical Society

## MILL CITY MUSEUM SCAVENGER HUNT STUDENT VERSION

### Scavenger Hunt Instructions

- Agree on an object to find, and hunt for it. Answer the first question.
- Read the fun fact, and answer the follow-up question. Write it (or draw it) in the space provided. Remember to take turns!
- Do it all over again with another item.
- If an area is crowded, try looking for another object.
- When you are finished, try the Bonus Question, located on the back page below the map.
- Check with your Teacher or Chaperone for the answers to all the questions.

**When you are finished, please return pencils to the bucket on the 1<sup>st</sup> floor desk.**

#### Please follow these museum rules:

- Please WALK
- Use indoor voices.
- No food, drinks, gum, or pens in the exhibits
- Please be careful with museum items so that they do not break.
- Only 5 students can be in the store at a time; a chaperone must accompany them.
- Please stay on the concrete patio if going into the Ruin Courtyard, refrain from entering the gravel rock area.
- ASK QUESTIONS! People in white aprons can answer them.
- HAVE FUN!